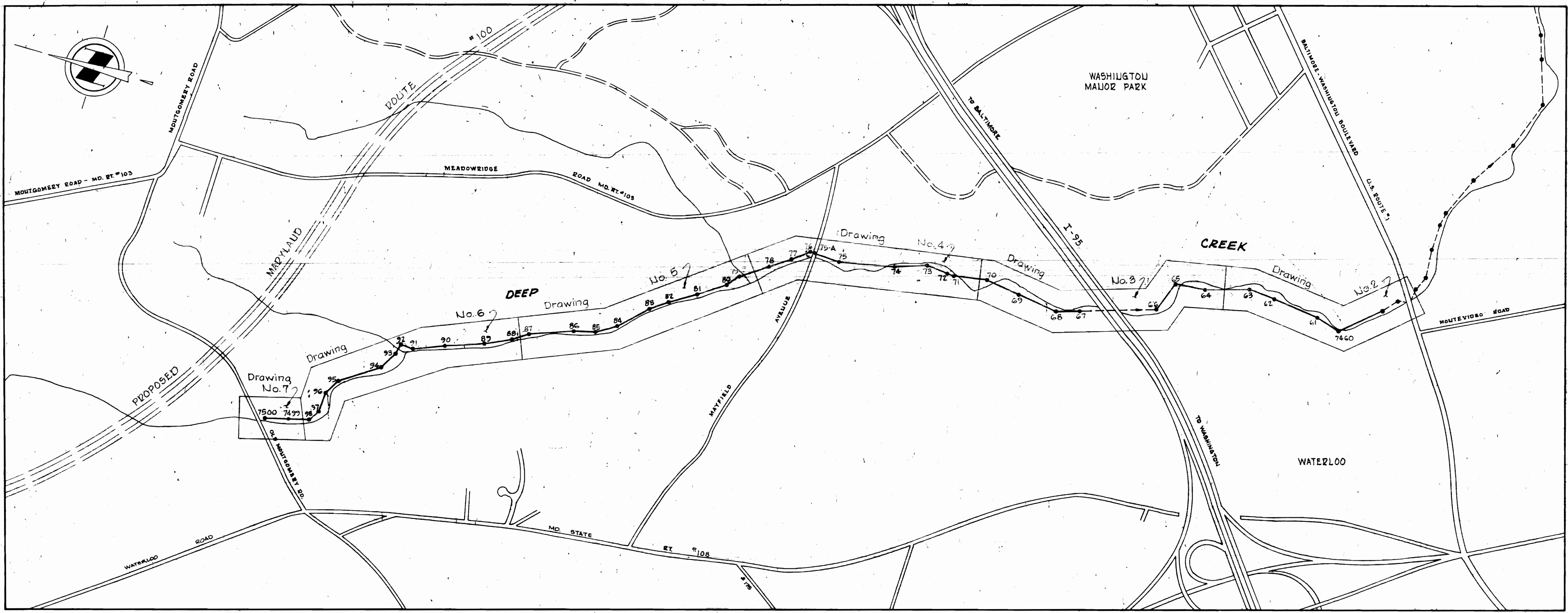


SUSPENSE

SUSPENSE

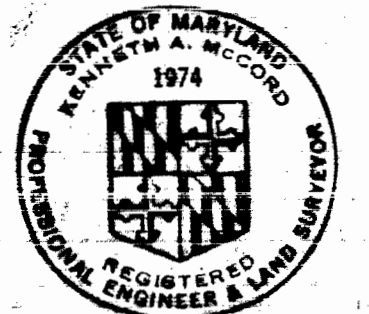
SUSPENSE



PROJECT NO. S-4-6040
DEEP CREEK INTERCEPTOR SECTION IV
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES		
ITEM	ESTIMATED	'AS-BUILT'
12" Sewer	4540 LF	4537 LF
15" Sewer	5520 LF	5517 LF
18" Sewer	2850 LF	2850 LF
21" Sewer	10 LF	11 LF

Stakeout FB 6197
Diary FB 6204 and 6235



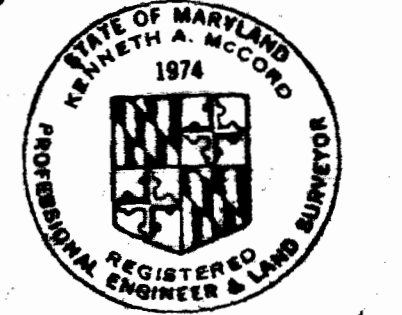
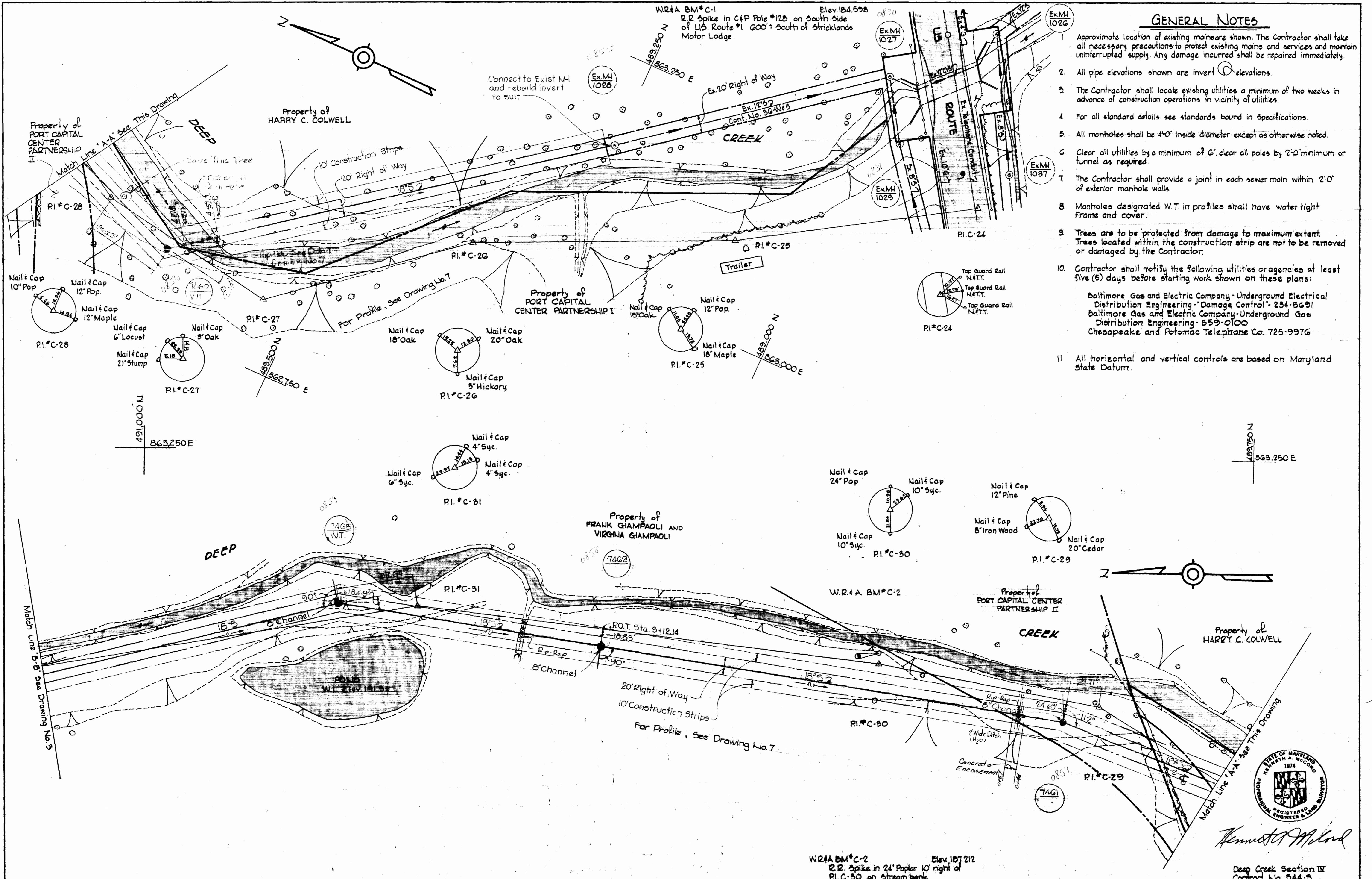
Raymond A. McCord
 Deep Creek Section IV
 Contract No. 544-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-1-73 DATE	CONTRACT NO. <u>544-S</u> PROJECT NO. <u>S-4-6040</u>	LOCATION MAP	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. <u>1</u> OF <u>9</u>	SCALE <u>1" = 600'</u>
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WS 544-S/1

GENERAL NOTES

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details see standards bound in Specifications.
5. All manholes shall be 4'-0" inside diameter except as otherwise noted.
6. Clear all utilities by a minimum of 6', clear all poles by 2'-0" minimum or tunnel as required.
7. The Contractor shall provide a joint in each sewer main within 2'-0" of exterior manhole walls.
8. Manholes designated W.T. in profiles shall have water tight frame and cover.
9. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the Contractor.
10. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
 Baltimore Gas and Electric Company - Underground Electrical Distribution Engineering - "Damage Control" - 254-5691
 Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100
 Chesapeake and Potomac Telephone Co. 725-9976
11. All horizontal and vertical controls are based on Maryland State Datum.



Kenneth A. Milrod

Deep Creek Section IV
Contract No. 544-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-1-73 DATE <i>W. O. Gilbert</i> CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. <u>544-S</u> PROJECT NO. <u>S-4-6040</u>	PLAN OF SEWER MAINS	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. <u>2</u> OF <u>9</u> SCALE <u>1"=50'</u>
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W. O. 6601-2

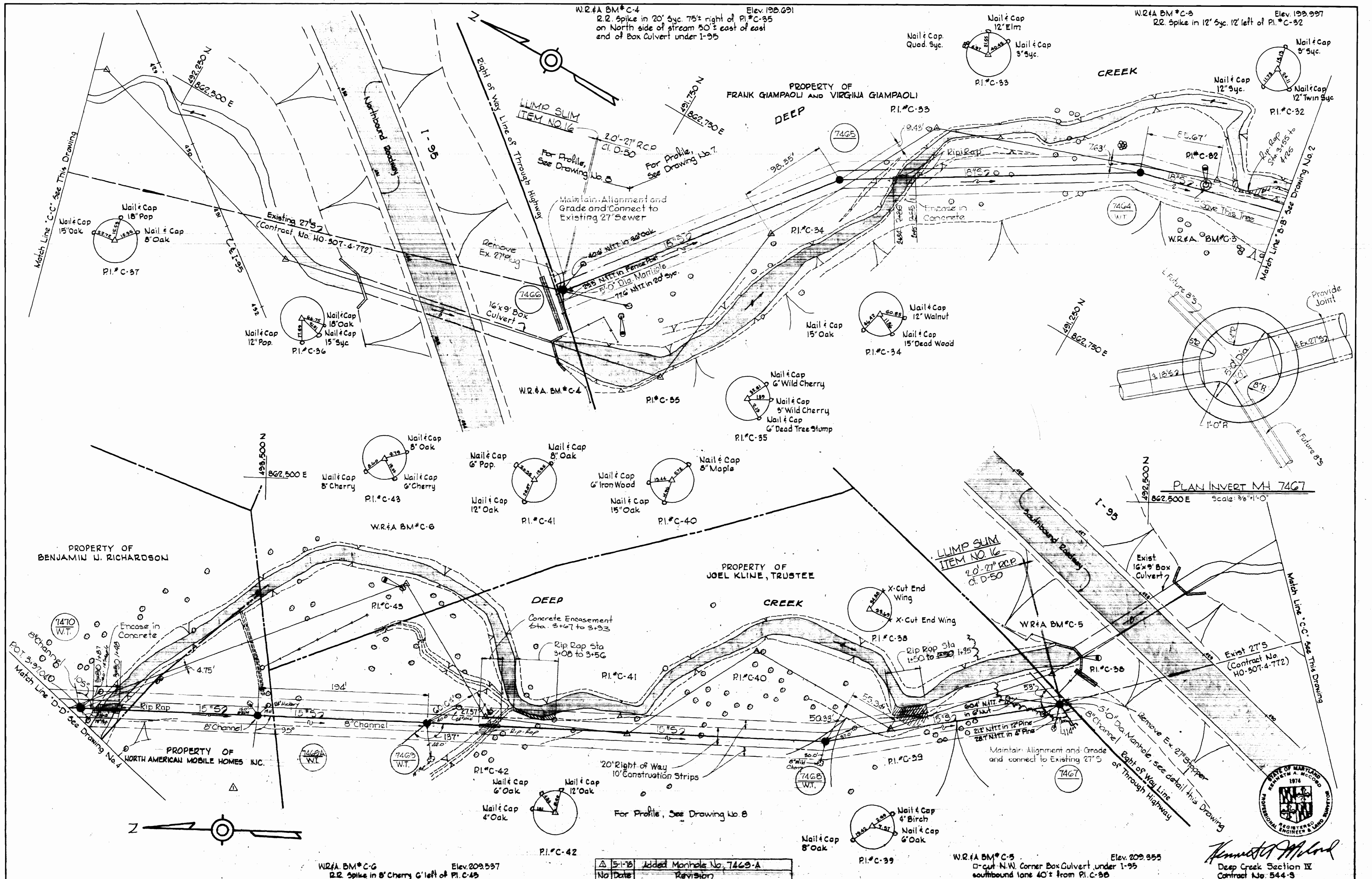
AS-BUILT
 Nov. 12, 1979
 FB# 5148, 5155
 December 22, 1976

WS 544-S/2

susp.

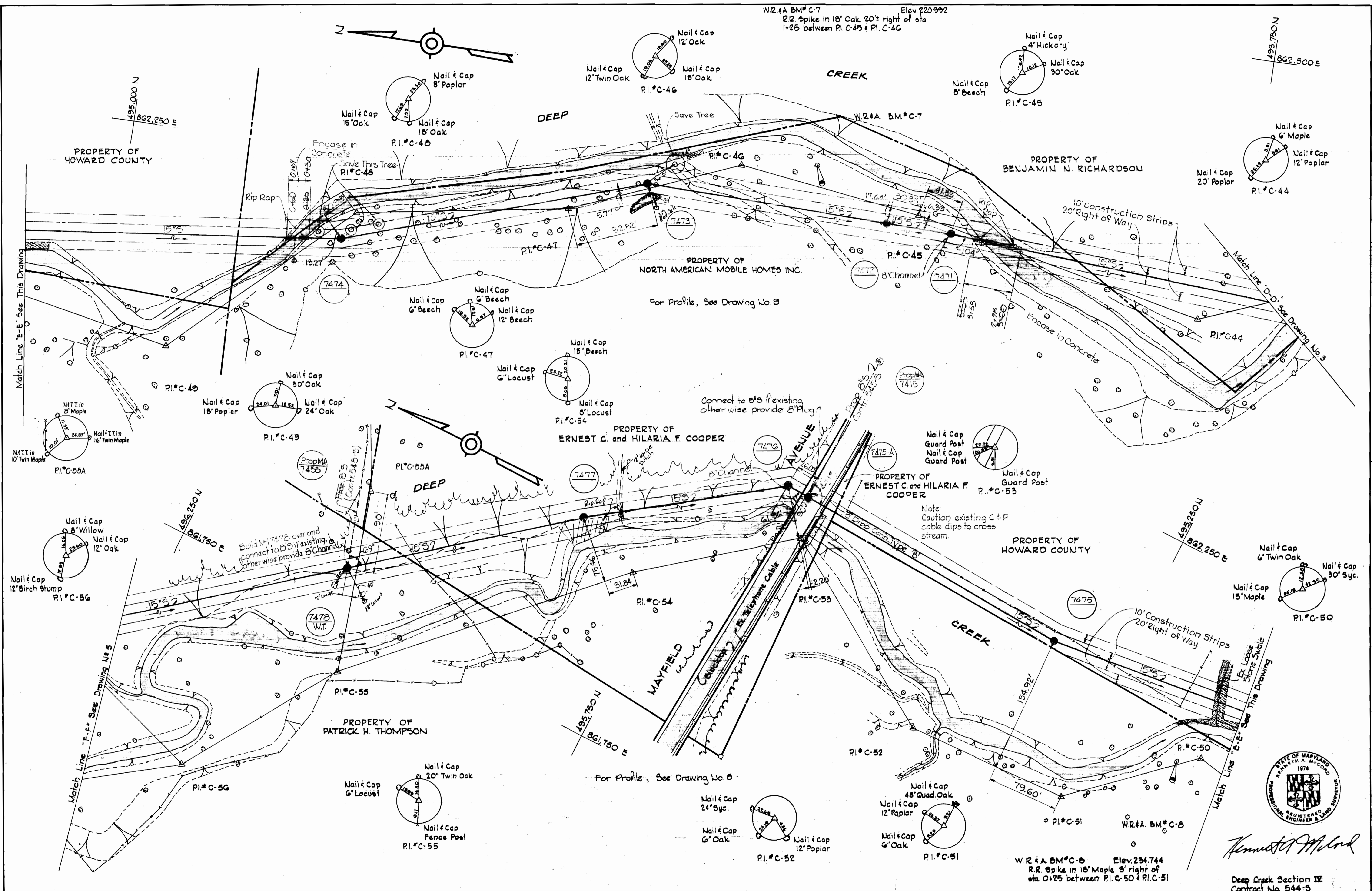
suspension

suspension



<p>WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-1-73 DATE</p>	<p>CONTRACT NO. 544-S PROJECT NO. S-4-6040</p>	<p>PLAN OF SEWER MAINS</p>	<p>ELECTION DISTRICT ELKRIDGE NO. 1</p>	<p>DRAWING NO. 3 OF 9 SCALE 1"=50'</p>
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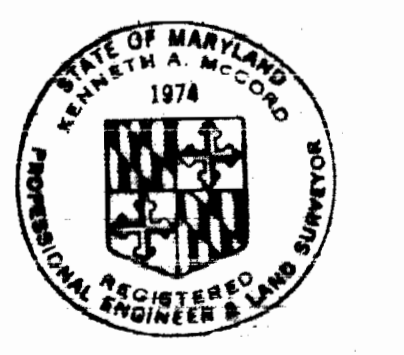
WS 544-S/3



WS 544-S/4

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 11-1-73 <i>W. O. Reibel</i> CHIEF - BUREAU OF ENGINEERING	CONTRACT NO. 544-S PROJECT NO. S-4-6040	PLAN OF SEWER MAINS	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. 4 OF 9 SCALE 1"=50'
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W. O. 6601-2 Nov. 12, 1973



Kenneth A. McCord

W.R. & A. B.M.#C-8 Elev. 234.744
 R.R. Spike in 18" Maple 3' right of
 sta. 0+25 between P.I. C-50 & P.I. C-51

Deep Creek Section IV
 Contract No. 544-3

'AS-BUILT'

Nov. 12, 1973

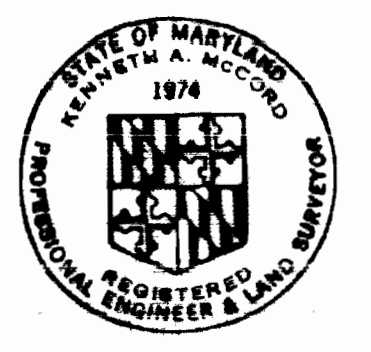
W.R. & A. BM* C-10 Elev. 259.902
R.R. Spike in 18" Poplar 10' Left
of Sta 2+00 Between P.I.* C-59 &
P.I.* C-60

W.R. & A. BM* C-9 Elev. 249.950
R.R. Spike base 12" Walnut 30' Left
of Sta 2+00 Between P.I.* C-56 &
P.I.* C-57

PROPERTY OF
PATRICK H. THOMPSON

PROPERTY OF
HARRY C. COLWELL, ETAL

PROPERTY OF
HARRY C. COLWELL, ETAL

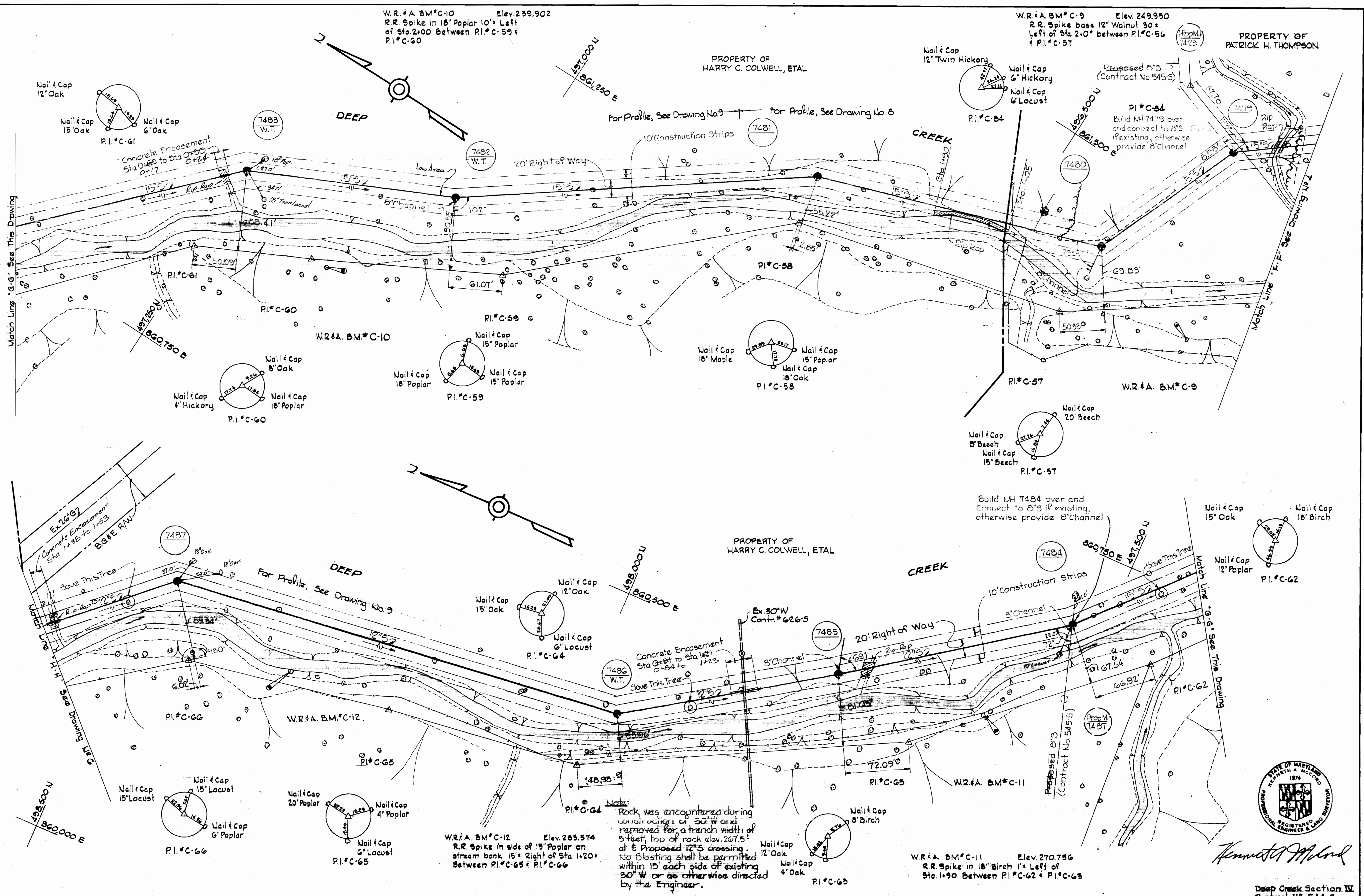


Kenneth A. McCord

Deep Creek Section IV
Contract No. 544-3

DRAWING NO. 5 OF 9	SCALE #50'	456-9
		497-9
		497-8
		498-8

'AS-BUILT'
Nov. 12, 1979



Note:
Rock was encountered during construction of 30" W and removed for a trench width of 5 feet; top of rock elev. 267.5' at E Proposed 12" S crossing. No blasting shall be permitted within 15' each side of existing 30" W or as otherwise directed by the Engineer.

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11-1-73
W.O. Falbert
CHIEF - BUREAU OF ENGINEERING

CONTRACT NO. 544-S
PROJECT NO. S-4-6040

PLAN OF
SEWER MAINS

ELECTION DISTRICT
ELKRIDGE NO. 1

W. O. 6601-2

WS 544-S/5

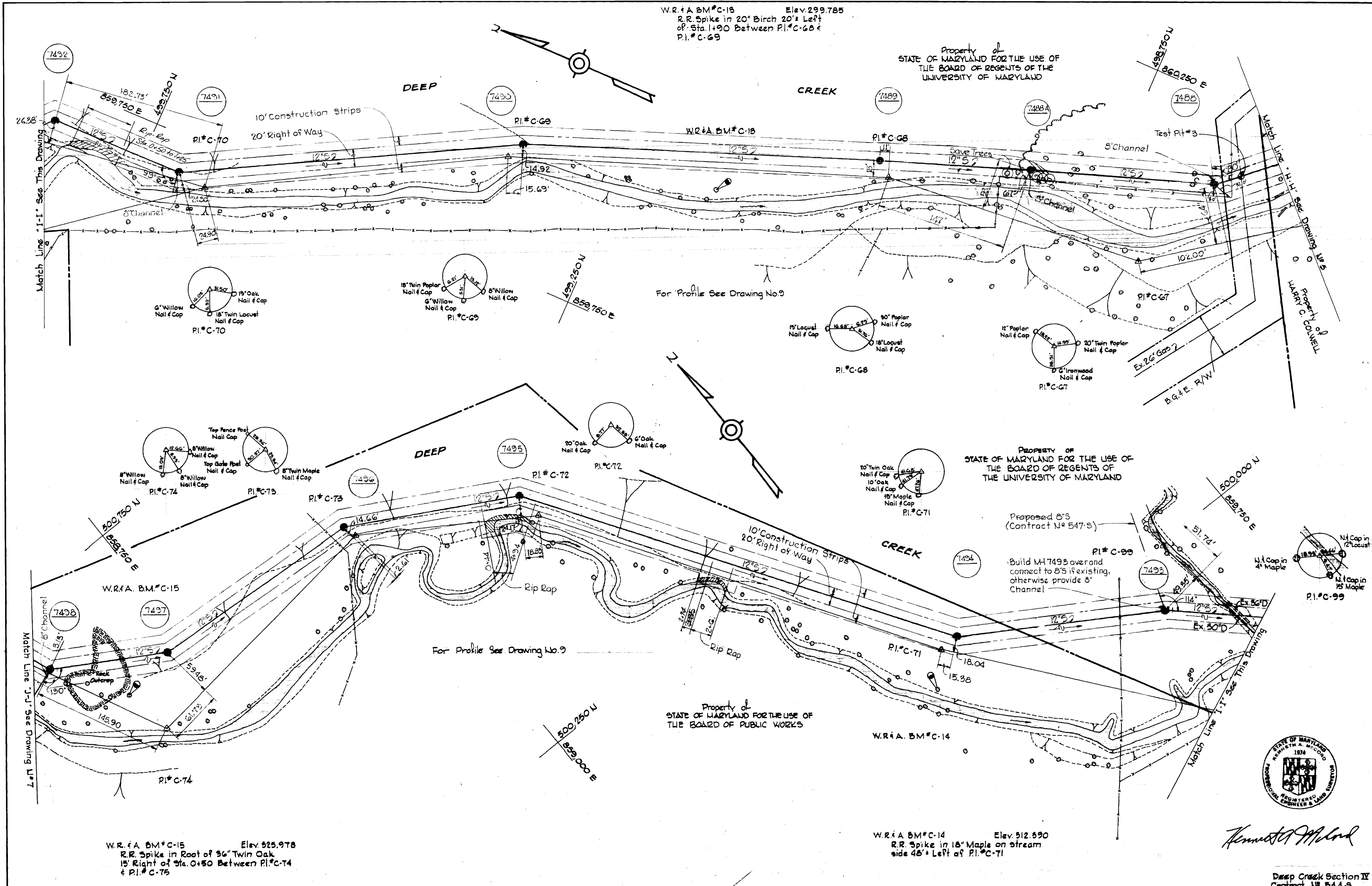
superior

superior

superior

SUSPENDED

SUSPENDED



Kenneth A. McLeod

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE <u>11-1-73</u> <i>W. O. Gilbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. <u>544-S</u> PROJECT NO. <u>S-4-6040</u>	PLAN OF SEWER MAINS	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. <u>6</u> OF <u>9</u>	SCALE <u>1"=50'</u>
					AS BUILT Nov. 12, 1979	FB# 5159, 5154, 5170 December 22, 1976

W. O. 6601-2

WS 544-S/6

susp

susp

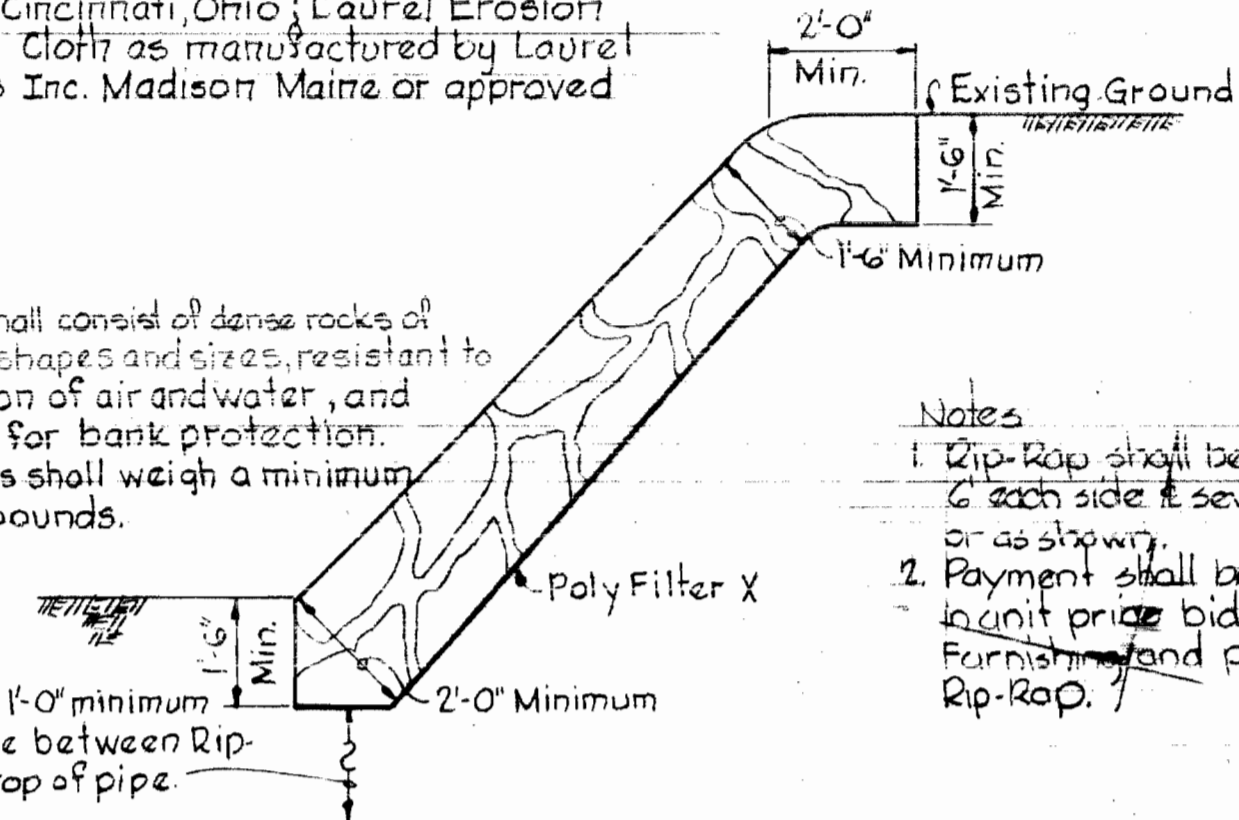
susp

Note:
Erosion control Fabric Cloth shall be Poly Filter-X as manufactured by Cartridge Mills, Inc. Erosion Control Division, 124 W 66th Street, Cincinnati, Ohio; Laurel Erosion Control Cloth as manufactured by Laurel Plastics Inc. Madison Maine or approved Equal

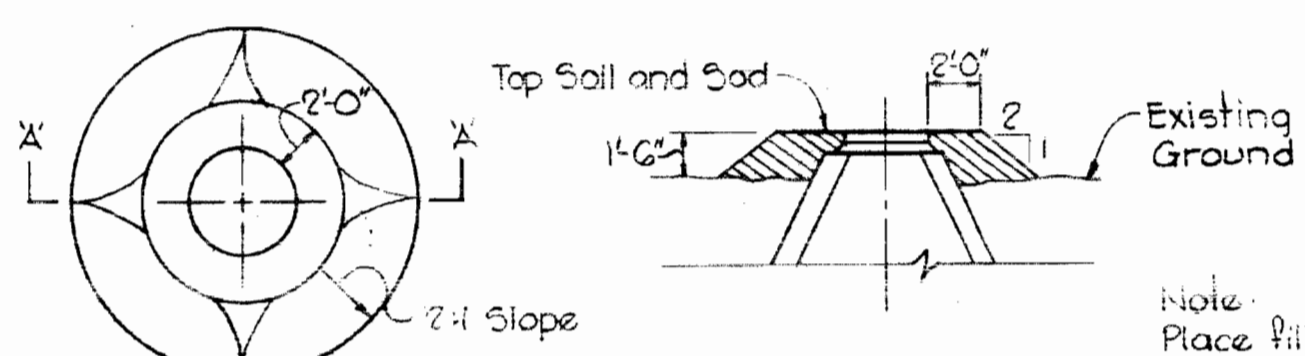
Rip Rap shall consist of dense rocks of random shapes and sizes, resistant to the action of air and water, and suitable for bank protection. All rocks shall weigh a minimum of 150 pounds.

Maintain 1'-0" minimum clearance between Rip-Rap and top of pipe

Notes:
1. Rip-Rap shall be placed on each side of sewer, or as shown, or as shown.
2. Payment shall be included in unit price bid for furnishing and placing Rip-Rap.



RIP-RAP DETAIL
Scale: 3/8"=1'-0"



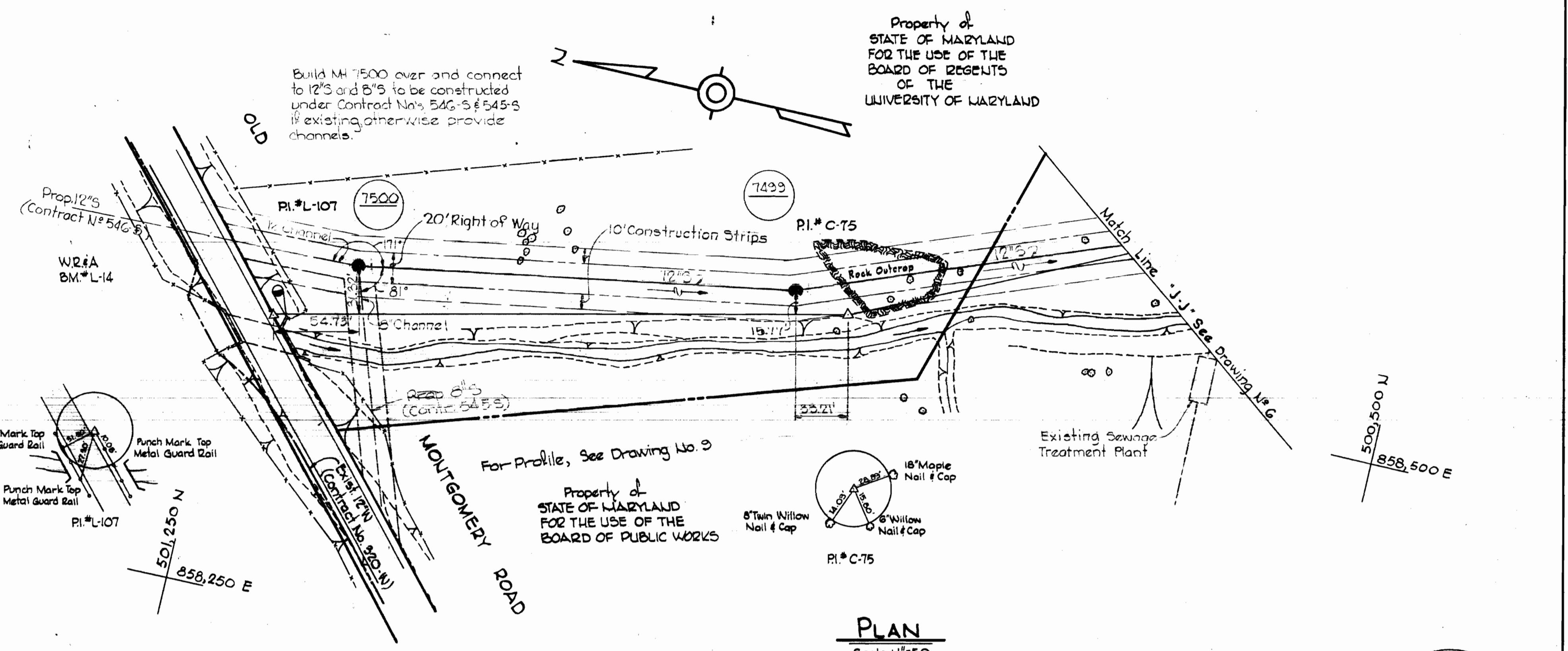
FILL AT MANHOLES
Scale: 3/8"=1'-0"

Note:
Place Pili @ MH's 7463 through 7500

501,500 N
858,500 E

501,250 N
858,250 E

500,500 N
858,500 E



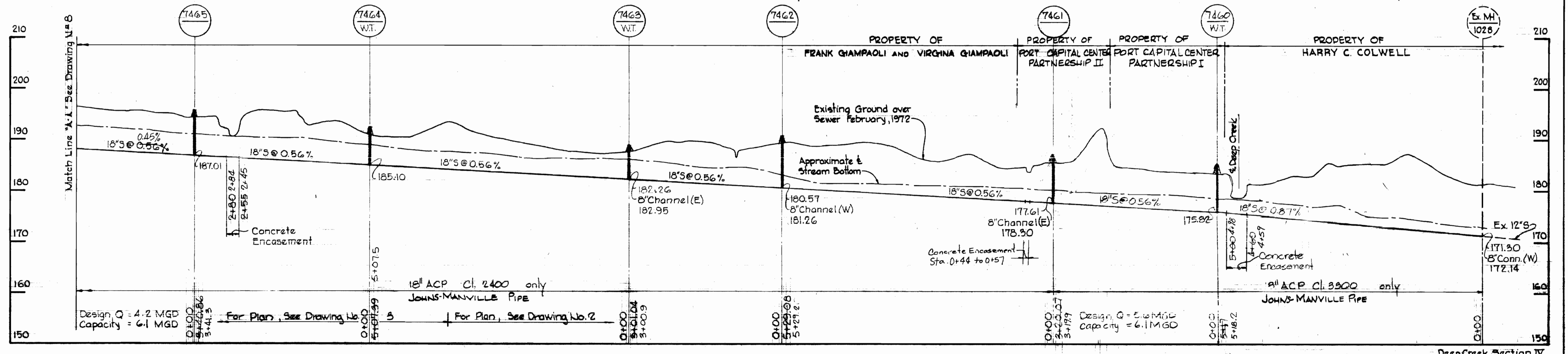
PLAN
Scale: 1"=50'

WR & A BM # L-14 Elev. 845.781
Cut on Top S.E. corner concrete covered Wing Wall 5' Left of P.I. # L-107

NOTE:
Fill around Manhole Nos. 7460, 7461, 7462, 7463, 7464 and 7465. See Typical Detail this Drawing.



Kenneth A. McLeod



WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 11-1-73
W. O. Gilbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 544-S
PROJECT NO. S-4-6040

PLAN AND PROFILE
OF SEWER MAINS

ELECTION DISTRICT
ELKRIDGE NO. 1

DRAWING NO. 7 OF 9
SCALE AS SHOWN
501-T
500-T

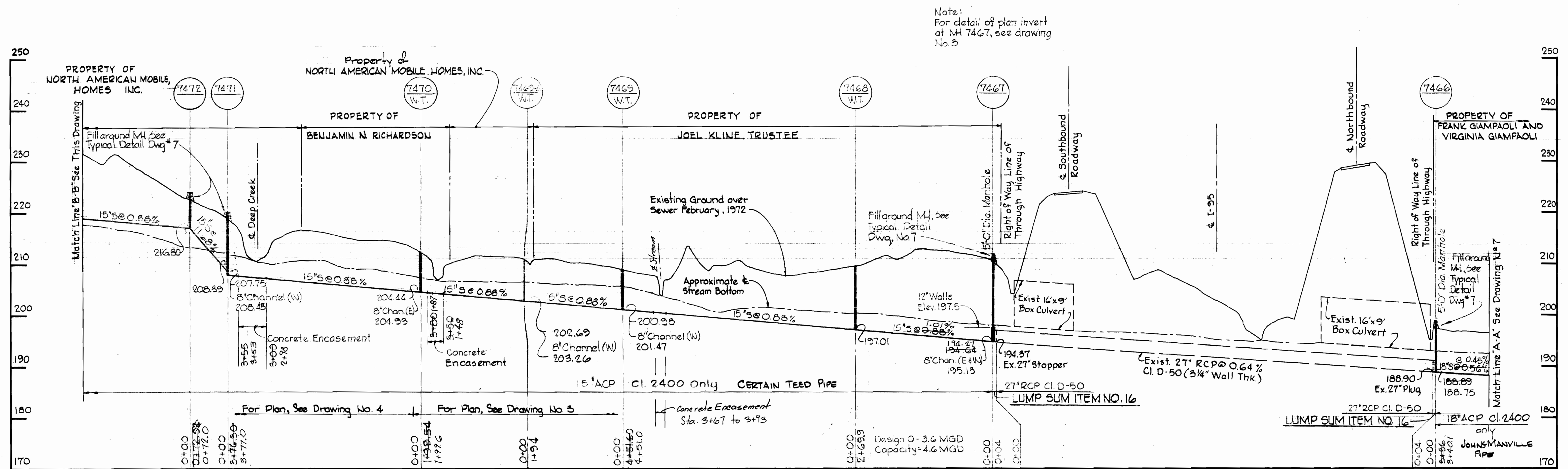
W. O. 6601-2

'AS-BUILT' May 10, 1978
Nov. 12, 1978

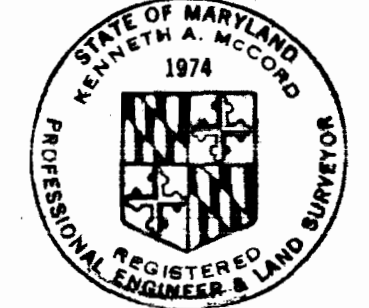
WS 544-S/7

SEE DRAWING 44-510-1002

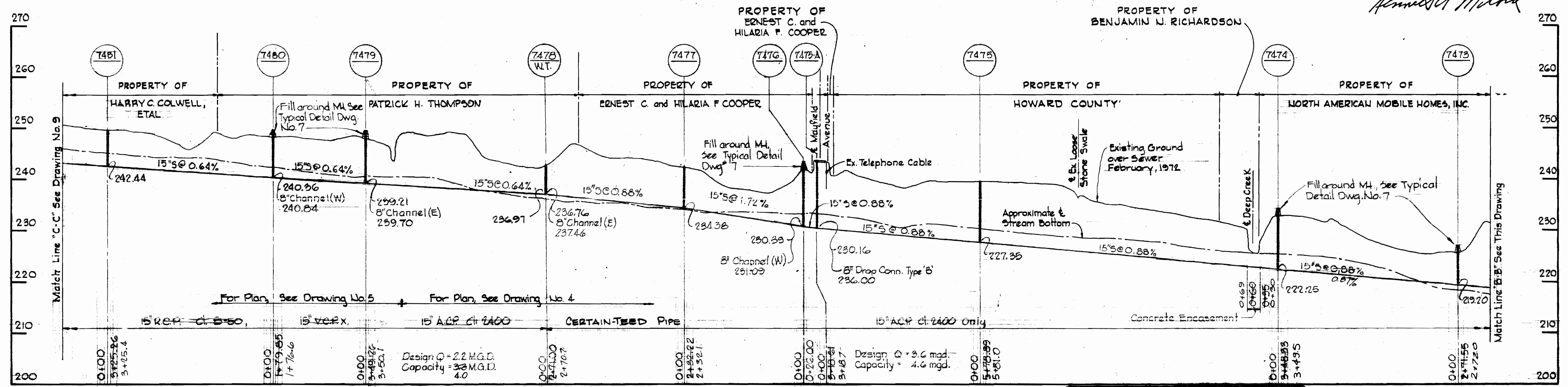
5



Note:
For detail of plan invert
at MH 7467, see drawing
No. 5



Kenneth A. McLeod



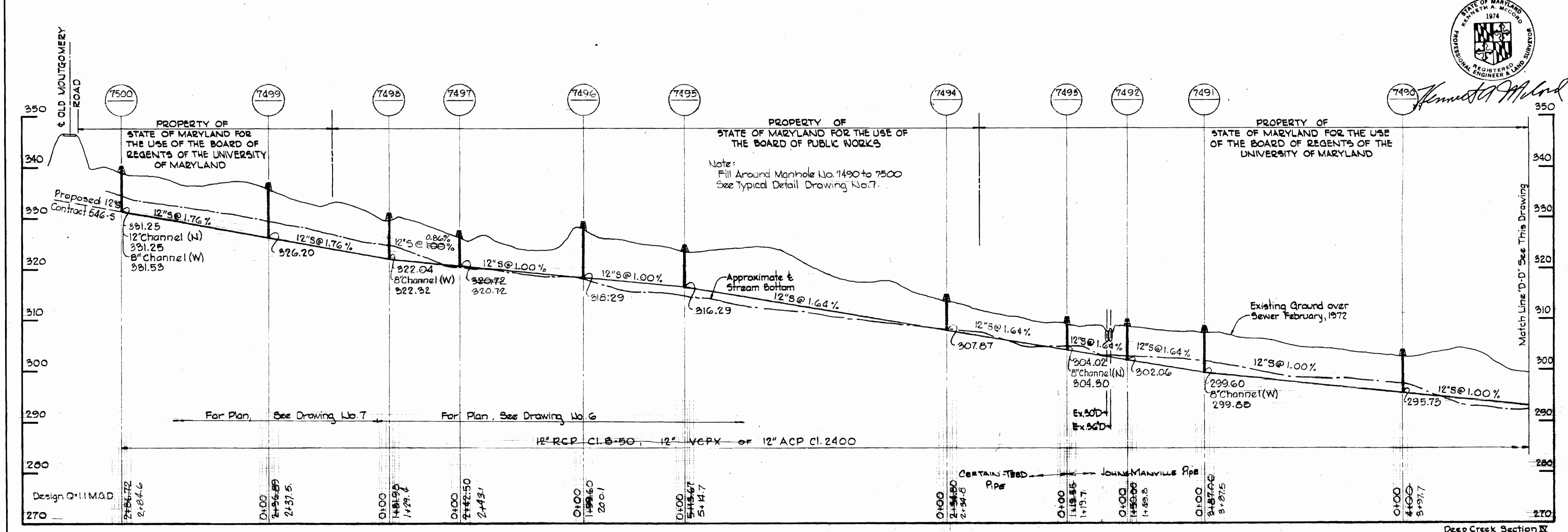
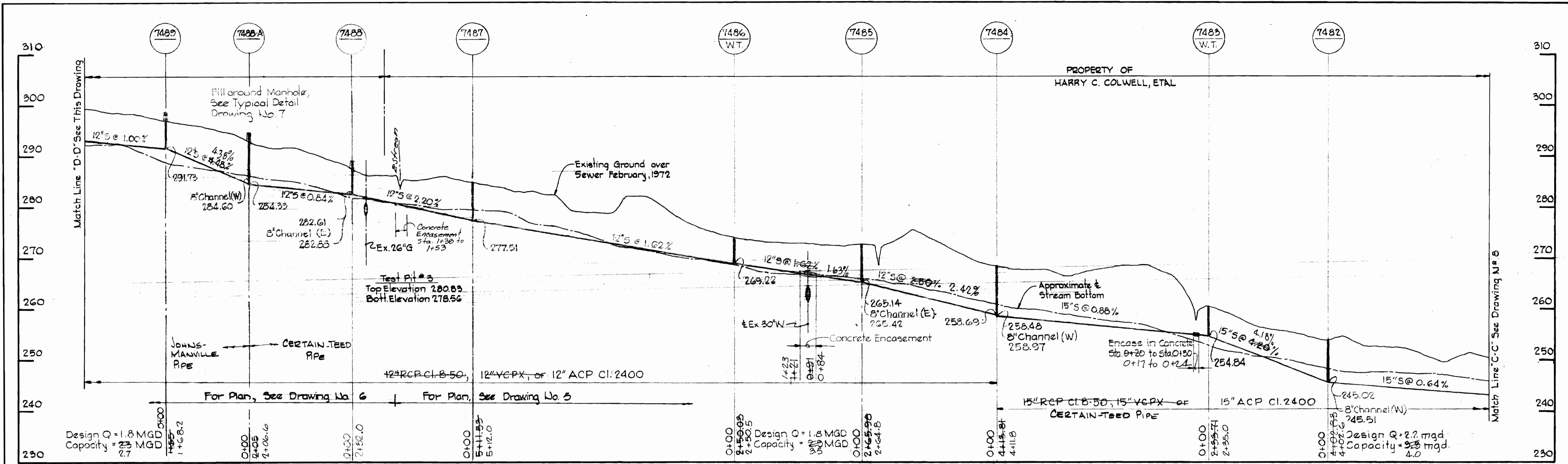
1	Added Manhole No. 7465 A
No.	Revisions

Deep Creek Section II
Contract No. 544-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 11-1-73 <i>W. O. Filbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 544-S PROJECT NO. S-4-6040	PROFILE OF SEWER MAINS	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. 8 OF 9	SCALE H: 1" = 100' V: 1" = 10'
					'AS-BUILT' Nov. 12, 1973	

W. O. 6601-2

WS 544-S/8



Kenneth A. McCord

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE 11-1-73 <i>W. O. Lubert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 544-S PROJECT NO. S-4-6040	PROFILE OF SEWER MAINS	ELECTION DISTRICT ELKRIDGE NO. 1	DRAWING NO. 9 OF 9 SCALE H:V 1"=10' V:1"=10'
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W.0.6601-2

'AS-BUILT'
 Nov. 12, 1973
 May 10, 1975

WS 544-5/9